

**METHOD AND APPARATUS FOR READING AND WRITING A
MULTILEVEL SIGNAL FROM AN OPTICAL DISC**

ABSTRACT OF THE DISCLOSURE

A system and method are disclosed for reading a multilevel signal from an optical disc.

- 5 The method includes reading a raw analog data signal from a disc using an optical detector and adjusting the amplitude of the raw analog data signal. A timing signal is recovered from the amplitude adjusted analog data signal and correction is made for amplitude modulation of the raw analog data signal by processing the raw analog data signal and the timing signal.

10